

ADDENDUM NO. 2 TO CONTRACT DOCUMENTS

Project: Southeast Regional Lift Station H&S Project No. 32394-001
Contract 2
Phase I Pipelines

Owner: City of Durham Date: July 19, 2019

To All Bidders:

Contractors submitting proposals for the above named project shall take note of the following changes, additions, deletions, clarifications, etc., in the Contract Documents, which shall become a part of and have precedence over anything contrarily shown or described in the Contract Documents, and all such shall be taken into consideration and be included in the Contractor's Bid Proposal.

Refer to attached sheet(s)

The return receipt requested with the communication will be deemed evidence the bidder has received this Addendum and has followed the instructions outlined herein. Please sign, date, clearly print company name, and email this sheet back to Hazen and Sawyer, cbelk@hazenandsawyer.com.

Company Name

Acknowledgement of Receipt

Date



R. Christopher Belk, P.E.
HAZEN AND SAWYER

CITY OF DURHAM
DURHAM, NORTH CAROLINA
SOUTHEAST REGIONAL LIFT STATION
CONTRACT 2
PHASE I PIPELINES

Addendum No. 2

GENERAL:

- The pre-bid meeting presentation has been provided as **Attachment 1** for Information Only and is not part of the Contract Documents.
- The following fictional **example** is provided to provide clarification on how to fill out the Alternative Bid Items:

Excerpt from Base bid Form:

34	30" Force Main (DIP, non-restrained joint), Epoxy lined	LF	10,508	\$50	\$525,400
35	30" Force Main (DIP, restrained joint), Epoxy lined	LF	3,960	\$60	\$237,600
36	Restrained Joint Fittings for Force Main, Epoxy Lined				
	30" RJ 11.25° Bend	EA	14	\$10	\$140
	30" RJ 22.5° Bend	EA	12	\$10	\$120
	30" RJ 45° Bend	EA	8	\$10	\$80
	30" RJ 90° Bend	EA	5	\$10	\$50
	30" RJ Tee	EA	2	\$10	\$20
	30" MJ Sleeve	EA	2	\$10	\$20
	30" MJ x 12" Flg Tee	EA	11	\$10	\$110
	30" RJ x 12" Flg Tee	EA	4	\$10	\$40
	36" x 30" RJ Reducer	EA	1	\$10	\$10
	36" RJ Plug	EA	1	\$10	\$10

Copy of Alternative Bid Item 1:

Pay Item No.	Description	Unit	Est'd Quantity	Unit Bid Price	Extended Total
34 Alt 1	30" FRP Force Main (non-RJ)	LF	7,236	\$60	\$434,160
34 Deduct	DIP FORCE MAIN	LF	7,236	-\$50	-\$366,300
35 Alt 1	30" FRP Force Main (RJ),	LF	2,664	\$70	\$186,480
35 Deduct	DIP Force Main (RJ)	LF	2,664	-\$60	-\$159,840
36 Alt 1	Restrained Joint FRP Fittings: 30" Force Main				
	30" RJ 11.25° Bend	EA	9	\$5	\$45
	30" RJ 22.5° Bend	EA	8	\$5	\$40
	30" RJ 45° Bend	EA	3	\$5	\$15
	30" RJ 90° Bend	EA	3	\$5	\$15
	30" MJ x 12" Flg Tee	EA	9	\$5	\$45
	30" RJ x 12" Flg Tee	EA	4	\$5	\$20
	30" Transition FRP to DIP Transition Coupling	EA	2	\$5	\$10
36	Restrained Joint FRP Fittings: 30" Force Main				
Deduct	30" RJ 11.25° Bend	EA	9	-\$10	-\$90
Deduct	30" RJ 22.5° Bend	EA	8	-\$10	-\$80
Deduct	30" RJ 45° Bend	EA	3	-\$10	-\$30
Deduct	30" RJ 90° Bend	EA	3	-\$10	-\$30
Deduct	30" MJ x 12" Flg Tee	EA	9	-\$10	-\$90
Deduct	30" RJ x 12" Flg Tee	EA	4	-\$10	-\$40
Total Add or Deduct for Alternate 1					\$94,330

BIDDING AND CONTRACT DOCUMENTS:

SECTION 00 41 43 – BID FORM

- Page 00 41 43-10 Item 20 revise the Est'd Quantity of Abandon Exist Manholes to be "46".
- Page 00 41 43-11 Item 24 revise the Est'd Quantity of Anti-Seep Collars to be "33".
- Page 00 41 43-15 Alternative Bid Item No. 1, Item 36 Alt 1: Add the following line item immediately below 36 Alt 1 item 30" RJ x 12" Flg Tee:

	30" Transition FRP to DIP Transition Coupling	EA	2		
--	--	----	---	--	--

- Page 00 41 43-20 paragraph 7.b) under Contractor Experience. : Replace "Installation of 42" diameter Fiberglass Reinforced Pipe for gravity service for a minimum of 5,000 linear feet." with "Installation of Fiberglass Reinforced Pipe for gravity service of size 42" diameter or greater for a minimum of 5,000 linear feet."

SECTION 00 52 15 – AGREEMENT

- Page 00 52 15-2, Section 1.4.B.2. Delete the paragraph in its entirety and replace with the following:

2. Contractor is advised that placing the facilities in service for beneficial use by the Owner is contingent upon Substantial Completion of other contracts comprising the entire Southeast Regional Lift Station project.

Contract 1 – Southeast Regional Lift Station and Lick Creek Pump Station received Notice to Proceed on July 8, 2019. The projected Substantial Completion date for Contract 1 is estimated to be March 29, 2021. Contractor acknowledges and accepts that substantial completion of MS2 is dependent upon work to be performed under Contract 1. If Contractor is delayed in substantially completing MS2 due to the work to be performed under Contract 1, Contractor's sole remedy and compensation under this Contract 2 for such delay shall be (i) a non-compensable time extension for the length of the demobilization, and (ii) Contractor's unit bid price amount for demobilization and remobilization, per Section 00 41 42 – Measurement and Payment, after the work under Contract 1 is sufficiently complete to allow Contract 2 Work to proceed.

The Contractor shall maintain the responsibility for maintenance and protection of the Work and facilities at all times under this Contract until the Owner makes beneficial use, and all warranties and guarantees shall commence upon the Owner making beneficial use of the facilities. The Contractor shall anticipate that making beneficial use of the facilities may not occur until after Contract Substantial Completion date of Contract 1, estimated to be March 29, 2021. The estimated Notice to Proceed for this Contract is September 23, 2019.

- Remove all brackets from cross-references to "Paragraphs" and/or "Articles" within the Agreement and/or the General Conditions as follows:

- 00 52 15-3, 1.4.c.1., delete the brackets around "Paragraph 1.4.B.1" in two places, and "Article 12".
- 00 52 15-3, 1.4.c.2., delete the brackets around "Paragraph 1.4.B.1".
- 00 52 15-5, 1.5.A.2., delete the brackets around "Paragraph 1.5.A.2", "Paragraph 11.03" in two places, and "Paragraph 9.07".
- 00 52 15-6, 1.6.B.b.2, delete the brackets around "Paragraph 1.6.B.1.b.1.1 and 1.6.B.1.b.1.2 (above)".
- 00 52 15-10, 1.9.E.1, delete the brackets around "Paragraph 3.03".
- 00 52 15-12, 1.10.H.3, delete the brackets around "Paragraph 5.04 of the General Conditions".
- Page 00 52 15-13, 1.10 Miscellaneous; Add paragraph K. as follows:
 - K. Delete Paragraph 6.20.C. (Limitations of Contractor's Obligation) in the General Conditions and replace with the following new paragraph:

C. Limitation on Contractor's Obligation in Certain Construction or Design Professional Services Contracts. The parties agree that every provision in this contract that would be made void or unenforceable by reason of section 22B-1 of the N. C. General Statutes is hereby revised and limited by construing it without the portions that would make it void or unenforceable, and by leaving in effect the portions that would not make it void or unenforceable.

DRAWINGS:

Multiple Sheets

- Add Anti-Seep Collars in the plan and profile view as follows:

DRAWING	STATION
C-100	3+88
C-103	28+60
C-103	32+70
C-105	54+10
C-107	65+40
C-109	91+50
C-112	117+50
C-114	135+40
C-114	137+20
C-115	146+80
C-120	24+20
C-123	8+50

C-106 –BRIGHTLEAF OUTFALL STA 55+00 TO 65+00

- Revise the callout "Remove & Abandon EX SSMH" to be "Abandon EX SSMH" in three places.
- Delete the words "Remove &" from the beginning of Note 6.

C-107 –BRIGHTLEAF OUTFALL STA 65+00 TO 75+00

- Revise the callout “Remove & Abandon EX SSMH” to be “Abandon EX SSMH” in three places.
- Delete the words “Remove &” from the beginning of Note 7.

C-108 –BRIGHTLEAF OUTFALL STA 75+00 TO 85+00

- Add the anti-seep collar shown in plan view at STA 75+43.9 to the profile view.

C-109 –BRIGHTLEAF OUTFALL STA 85+00 TO 95+00

- Revise the callout “Remove & Abandon EX SSMH” to be “Abandon EX SSMH”.
- Delete the words “Remove &” from the beginning of Note 8.

C-110 –BRIGHTLEAF OUTFALL STA 95+00 TO 105+00

- Revise the callout “Remove & Abandon EX SSMH” to be “Abandon EX SSMH” in 8 places.
- Delete the words “Remove &” from the beginning of Note 6.

C-117 –BRIGHTLEAF OUTFALL STA 160+00 TO 165+00

- Revise the callout “Remove & Abandon EX SSMH” to be “Abandon EX SSMH” in 3 places.
- Delete the words “Remove &” from the beginning of Note 10.
- Revise the callout for the existing manhole near STA 166+98 from “Remove & Abandon EX SSMH” to be “Remove EX SSMH”. Also replace the reference to “See Note 10” from this callout with “See Note 11”.
- Add note 11. As follows:

11. Remove existing manhole in its entirety and plug the remaining pipes.

C-120 – EARTHQUAKE CREEK OUTFALL STA 17+00 TO 26+73

- Change the creek label from “Lick Creek” to “Earthquake Creek”.

C-121 – GRAVITY SEWER RAVENSTONE PUMP STATION CONNECTIONS

- Revise the callout “Remove & Abandon EX SSMH” to be “Abandon EX SSMH” in 5 places. *The Contractor shall note that 3 of the manholes to be abandoned shown on this sheet appear on sheet C-106.*
- Delete the words “Remove &” from the beginning of Note 6.

- *The Contractor shall note that 1 of the 4 manholes to be removed is located at STA 2+66. See existing note 5.*

C-122 – SHERRON FARMS & DEL-WEBB CONNECTIONS

- Revise the callout "Remove & Abandon EX SSMH" to be "Abandon EX SSMH" *Note: The Contractor shall note that the manhole to be abandoned shown on this sheet also appears on sheet C-107.*
- Delete the words "Remove &" from the beginning of Note 9.

C-123 – GRAVITY SEWER BRIGHTLEAF PS CONNECTION – STA 0+00 TO 10+00

- Revise the callout "Remove & Abandon EX SSMH" to be "Abandon EX SSMH" in 8 places. *The Contractor shall note that two of the manholes to be abandoned shown on this sheet also appear C-109/C-110.*
- Delete the words "Remove &" from the beginning of Note 5.

C-124 – GRAVITY SEWER BRIGHTLEAF PS CONNECTION – STA 10+00 TO 13+24

- Revise the callout "Remove & Abandon EX SSMH" to be "Abandon EX SSMH".
- Delete the words "Remove &" from the beginning of Note 9.
- Add a new callout for the existing manhole at STA 13+20 that reads "Remove EX SSMH, See Note 10."
- Add a new callout pointing to the MH at STA 13+36.7 that reads "Remove EX SSMH, See Note 10." *The Contractor shall note the existing manhole in this location must be removed to facilitate installation of the new SSMH-208.*
- Add note 10. As follows:
10. Remove existing manhole in its entirety and plug the remaining pipes.

C-128 – ABANDON GRAVITY SEWER AND FORCE MAIN

- *The Contractor shall note that 4 of the 46 manholes to be abandoned are shown on this sheet.*

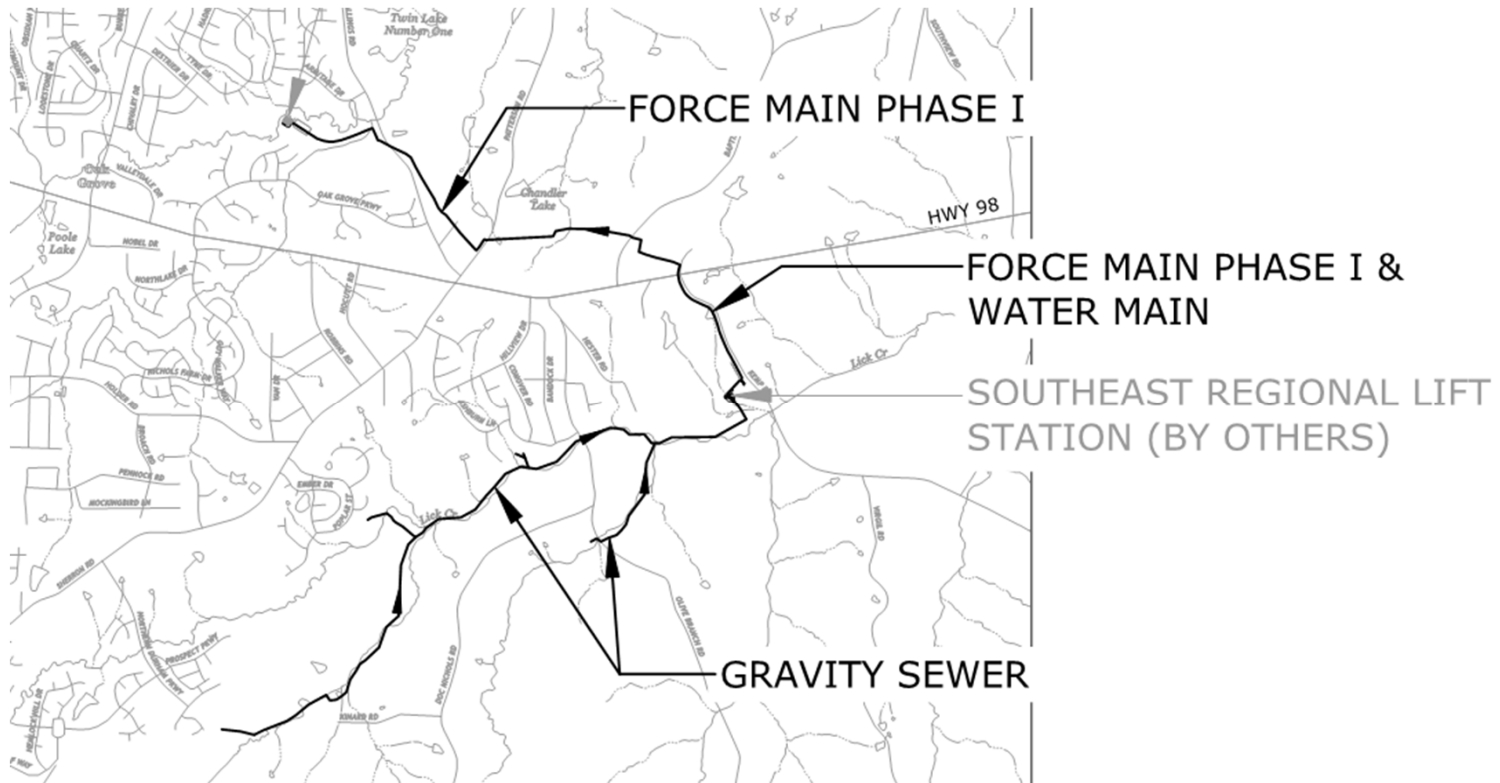
C-129 – ABANDON FORCE MAIN

- *The Contractor shall note that 20 of the 46 manholes to be abandoned are shown on this sheet.*

C-400 –ARV REPLACEMENT OVERALL PLAN

- Detail 1/C400: Change the label "Replace Existing ARV w/New CAV" to "Replace Existing ARV with new CAV with anti-surge bias."

ADDENDUM 2, ATTACHMENT 1



Southeast Regional Lift Station Contract 2: Phase 1 Pipelines— Pre-Bid Meeting

July 8, 2019



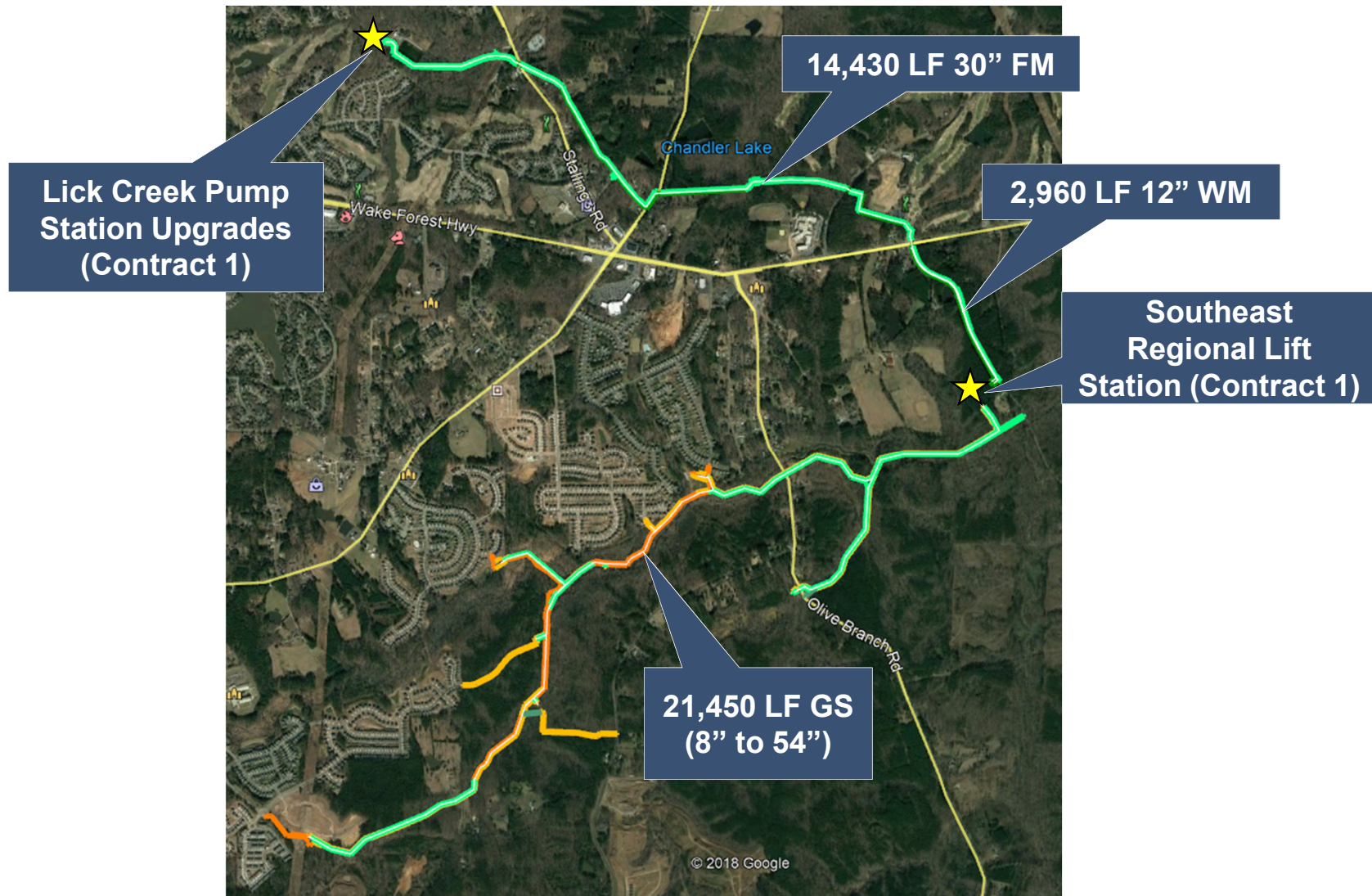
Agenda

- Sign-In
- SRLS Project Contract 2 Overview
- Bidding Requirements
- Schedule
- EO/EA Requirements
- Questions
- Site Visits

Project Overview

- Coordination with Contract 1 – SRLS and LCPS
- 21,450 LF of gravity sewer (8" to 54")
- 2,960 LF 12" watermain
- 14,430 LF 30" force main
- Abandon 3 existing pump stations (Ravenstone, Brightleaf, Brightleaf Tract 8)
- Replace 12 ARVs

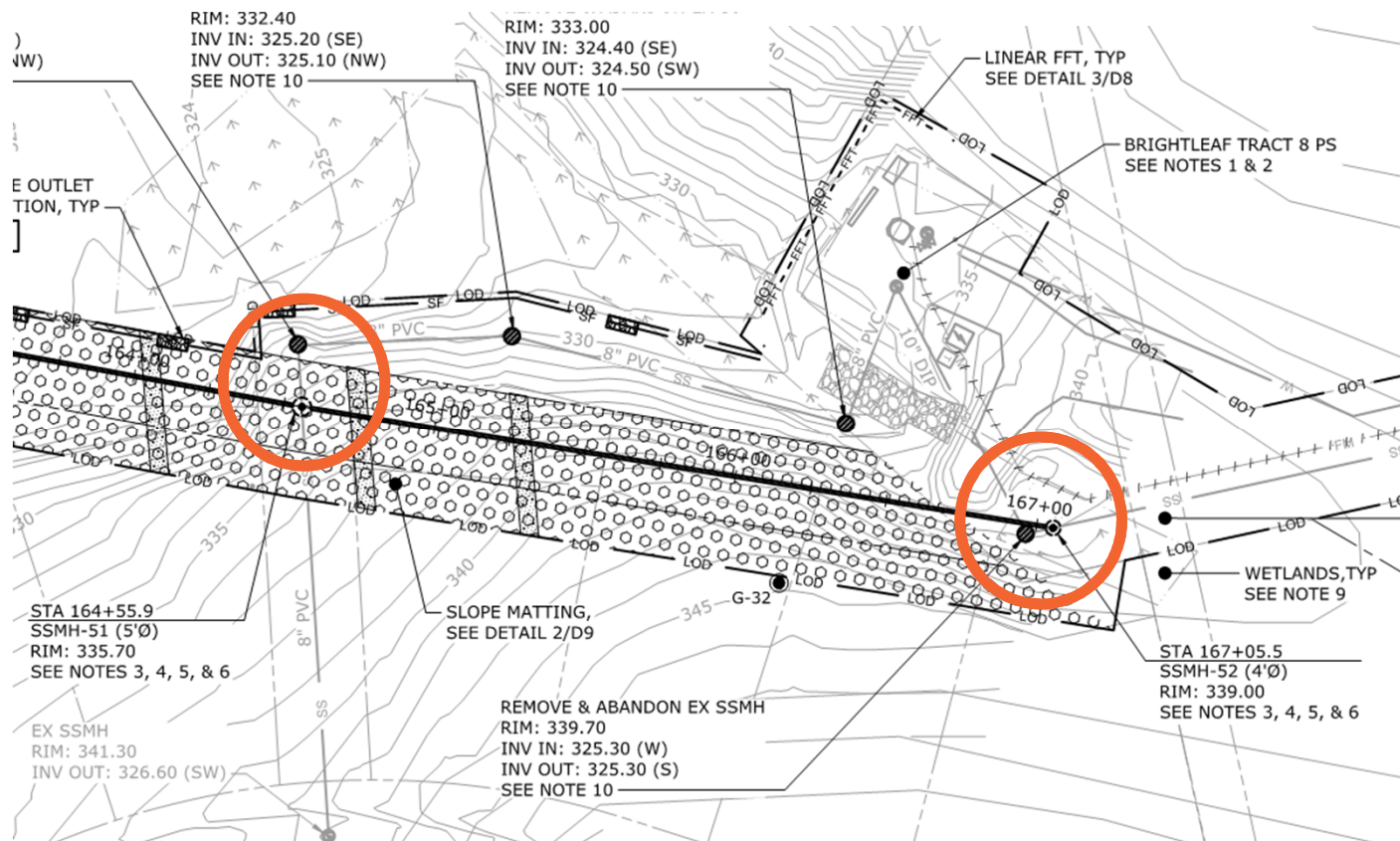
Project Overview



By Pass Pumping

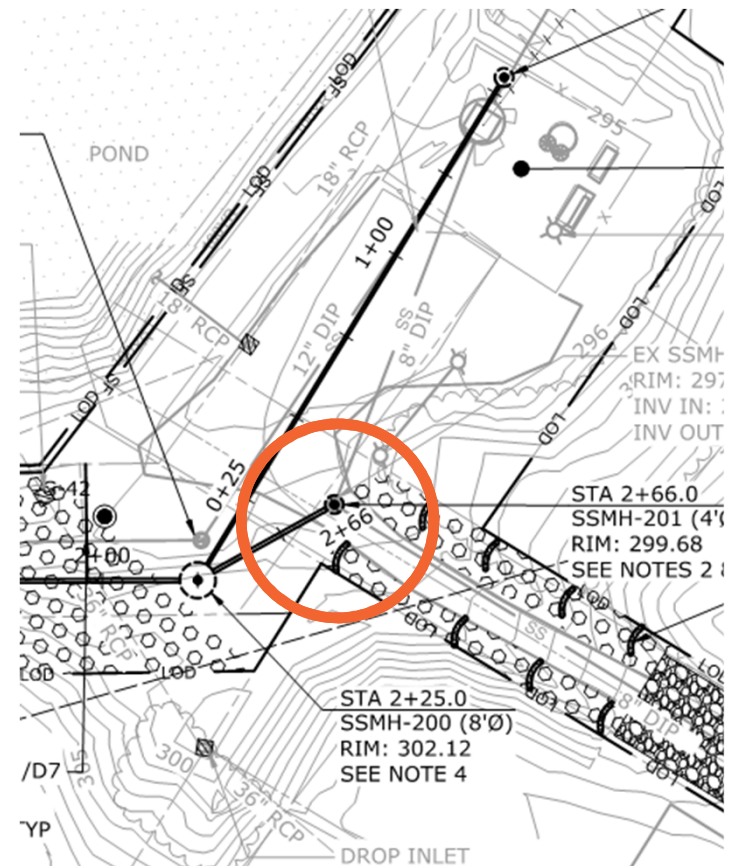
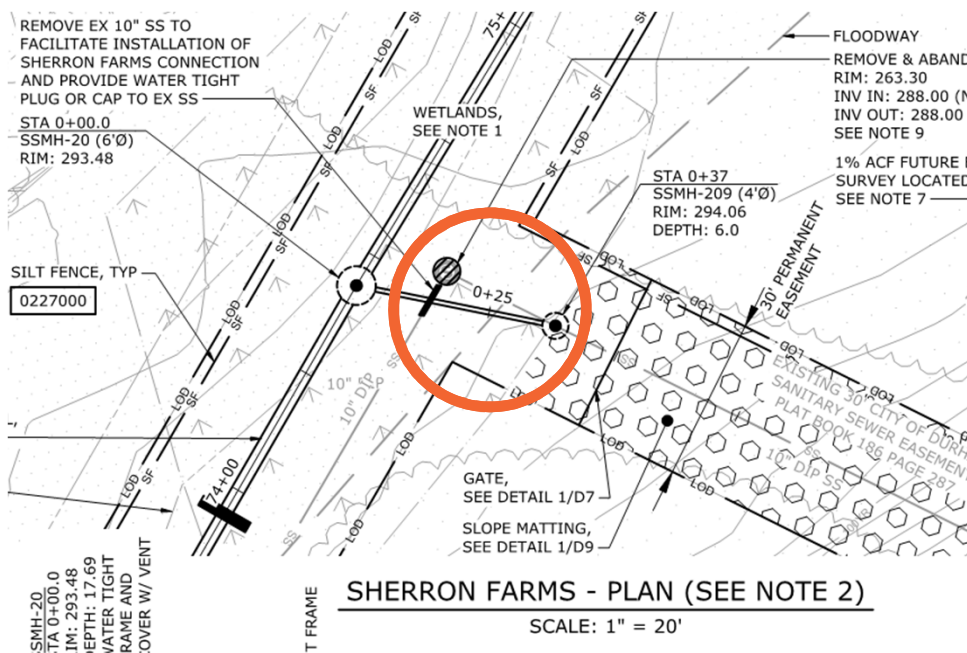
Brightleaf Tract 8 - C117

1. Flows from new development
2. Existing BL Tract 8 Flows



Sherron Farms and Ravenstone (East) - C121, C122

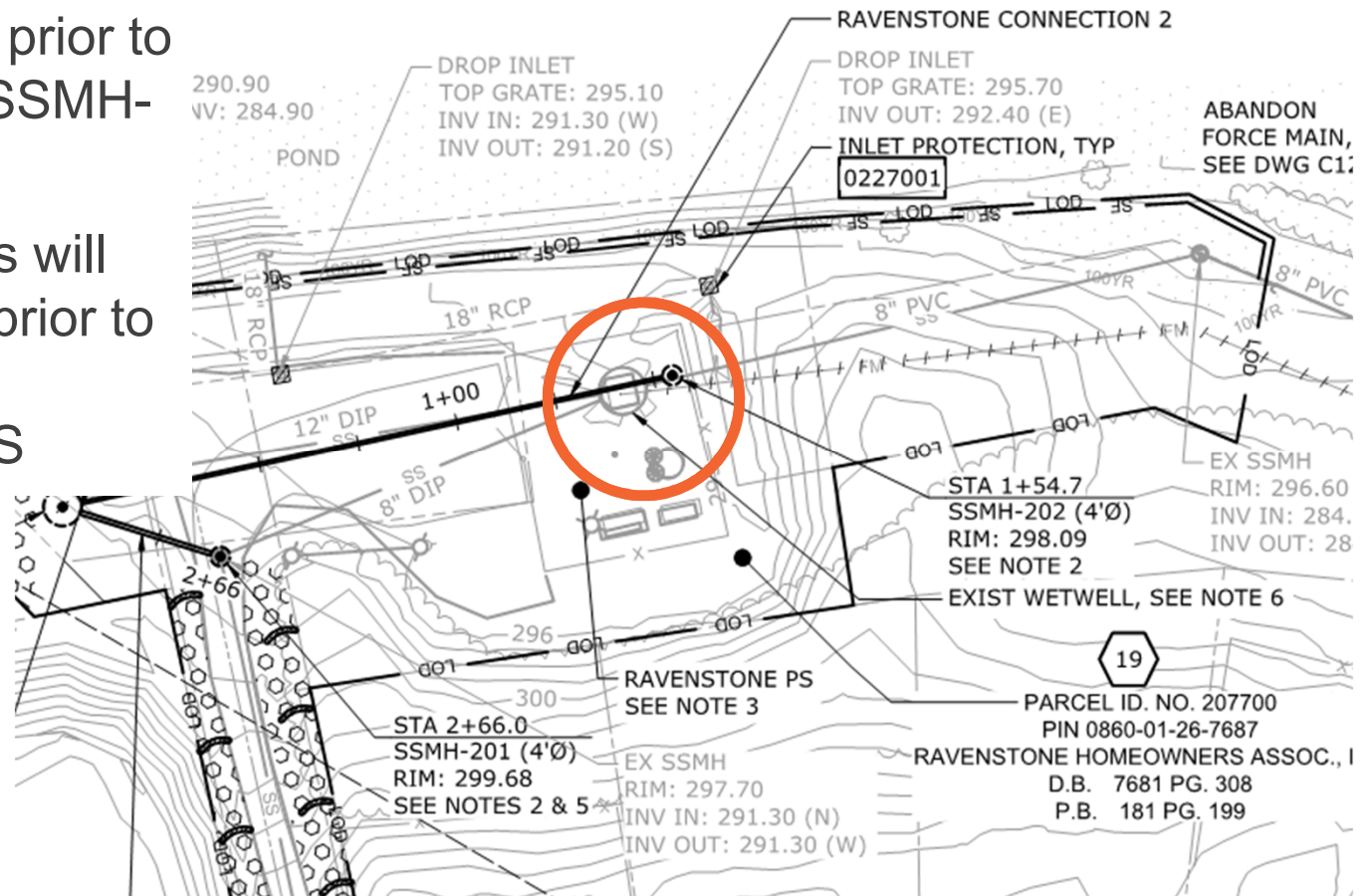
1. Sherron Farms (C122) connection prior to Ravenstone Abandonment
2. Ravenstone east (C121) bypass from Rondelay Dr after downstream flows being accepted.



By Pass Pumping

Ravenstone PS (West) - C121

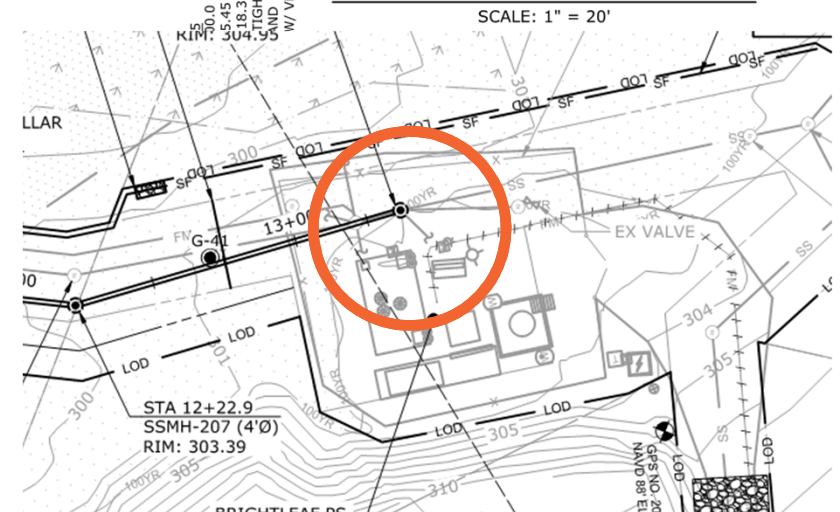
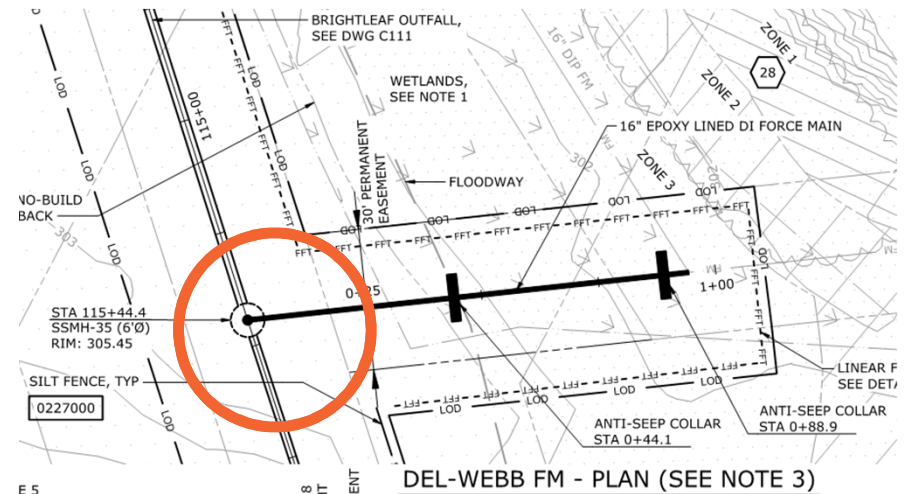
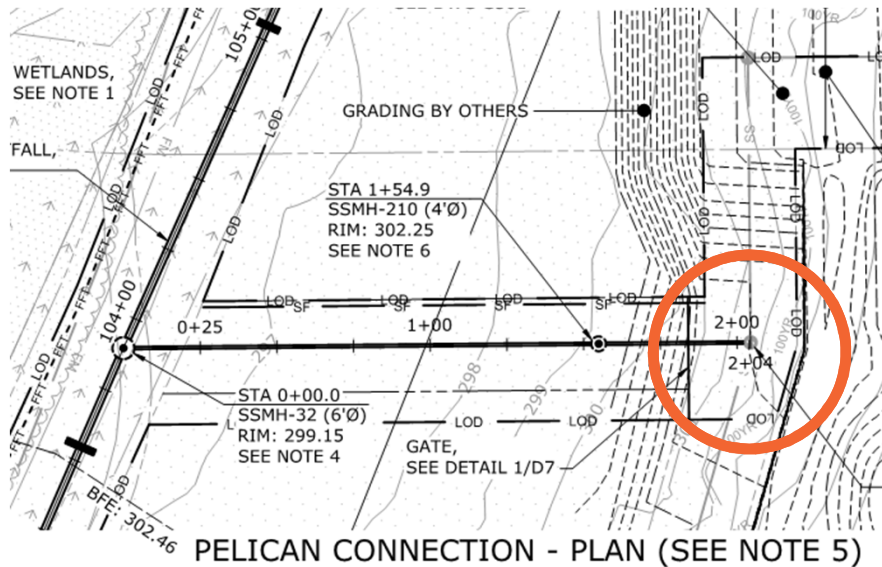
1. Downstream must be accepting flow prior to installation of SSMH-202
2. East (left) flows will be connected prior to abandoning Ravenstone PS



By Pass Pumping

Del-Webb, and Pelican – C122, C124

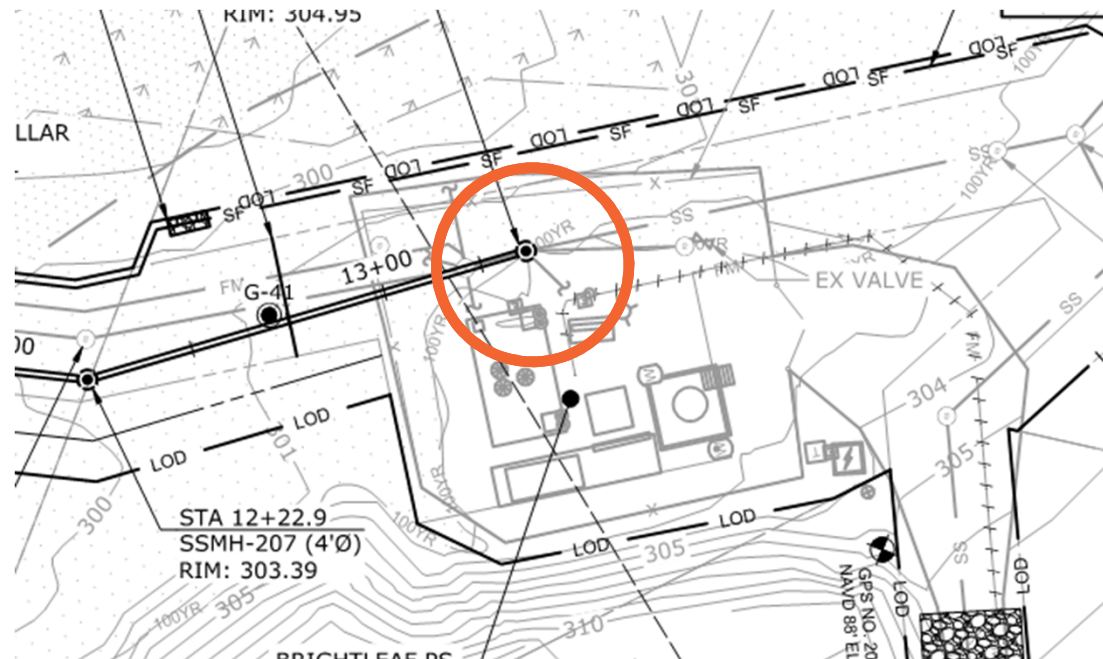
1. Del-Webb FM and Pelican Flows must be accepted before abandoning Brightleaf PS



By Pass Pumping

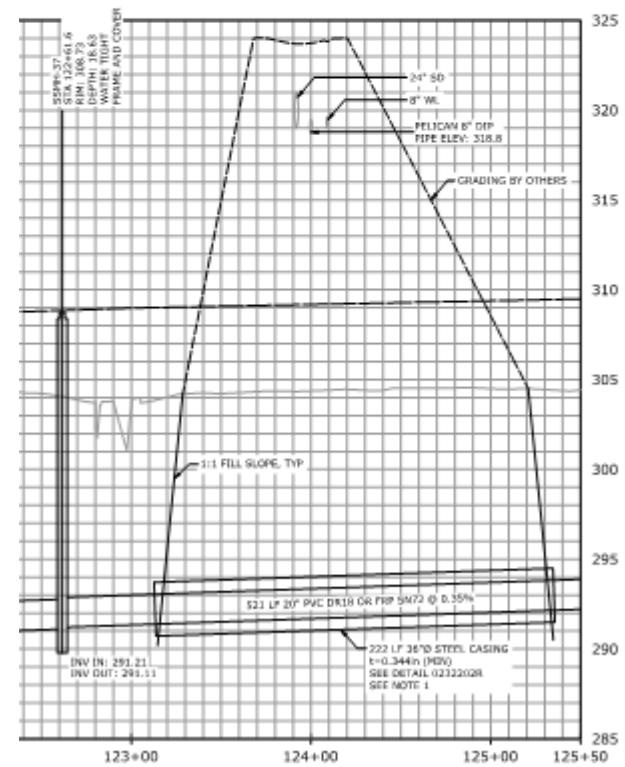
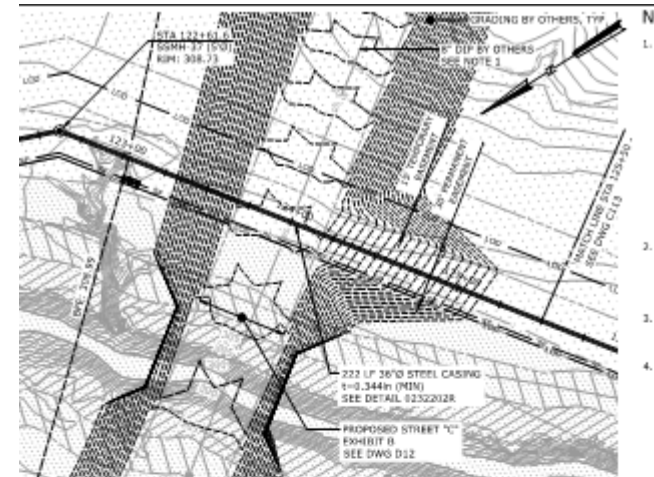
Brightleaf PS- C122, C124

1. Pelican and Del-Webb provide all flows to east (left).
2. Only bypass is from west. To downstream interceptor or PS Wet Well



Alternate Bid Item 2 – Deduct for Item 23

C-112



Contract 1 Coordination

- Contract 1 NTP – July 8, 2019 (TODAY)
- 12” waterline installed in first 120 days (Addenda 1)

Bidding Requirements

Bid Opening

July 24, 2019 @ 2 PM (Addendum 1)

Department of Water Management Conference Room,
1600 Mist Lake Drive, Durham

Bid Form - Section 00 41 13

Bid Form (Unit Price) – 00 41 43

PROJECT: SRLS CONTRACT 2
PHASE I PIPELINES
DATE: June 6, 2019

UTILITY ENGINEERING DIVISION
DEPARTMENT OF WATER MANAGEMENT
CITY OF DURHAM, NORTH CAROLINA

BID FORM

NOTE TO BIDDERS: DO NOT REMOVE THIS ITEMIZED BID FORM
FROM THE CONTRACT DOCUMENTS

BID FOR UNIT PRICE CONTRACT

SRLS Contract 2 – Phase I Pipelines

Bidder agrees to perform all work included in these Contract Documents, complete as indicated on the Drawings and as specified, for the following Unit Prices:

Pay Item No.	Description	Unit	Est'd Quantity	Unit Bid Price	Extended Total
Division I - General Items for Gravity Sewer, Water Main and Force Main					
1	Mobilization (less than or equal to 3% of total bid)	LS	1		
2	Site Preparation	LF	38,420		
3	Stabilization Stone (minimum \$30/CY)	CY	3,000		
4	Asphalt Road Pavement Repair	SY	125		
5	Gravel Road/Driveway Repair	SY	500		

The TOTAL BID PRICE (Sum of Divisions I through IV) in numerals is:

\$ _____

The TOTAL ADD OR DEDUCT FOR ALTERNATE 1 in numerals is:

\$ _____

The TOTAL DEDUCT FOR ALTERNATE 2 in numerals is:

\$ _____

Bidder _____
(Print Name)

Bidder _____
(Signature)

SECTION: 00 41 43 - Bid Form - Unit Price (Single-Prime Contract)
00 41 43-16

Bidding Requirements

Include all items on Page 10 of Bid Form (Section 00 41 13)

1. Bid Form
2. UBE Procurement Forms (included in appendix)
3. Non-Collusion
4. Bid Security
5. List of Contractor Equipment and Personnel
6. List of Equipment/Material Manufacturers
7. Contractor Safety Record Information



**CITY OF DURHAM
EQUAL BUSINESS
OPPORTUNITY PROGRAM**

CONSTRUCTION FORMS
Revised 3/2016



Phone: 919-560-4180
Facsimile: 919-560-4613

Street Address:
101 City Hall Plaza (Annex)
Durham, North Carolina 27701

The Department of Equal Opportunity/Equity Assurance
Good Things Are Happening In Durham

Bidding Requirements

- Section 00 21 15 – Instructions to Bidders
- Bidding documents available for review at Durham and Hazen offices
- Purchase hard copy for bidding (GC 3.06- “Hard copies govern”)
- Bid Security required
- Sales and Use Tax – see General Conditions Paragraph 6.10
- Contractor shall obtain, keep current and pay all fees for any necessary construction permits

Questions on Bidding Documents & Addenda

Email all questions to cbelk@hazenandsawyer.com

Address to Chris Belk

Deadline for question 7 days prior to bid opening:

- Wednesday, July 17th deadline for July 24th Bid Opening
- Last Addenda will be issued no later than 3 working days prior to bid –
- July 24th Bid Opening,

Construction Schedule

Section 00 52 15 - Agreement Form

- Bid Opening July 24th at 2pm
- 120 days for substantial completion of HJ1 Milestone 1 (Water Main Addendum 1)
- 490 days for substantial completion of Milestone 2 (Contract 1 Coordination)
- 610 days for Substantial Completion
- 640 days for Final Completion

Slide 17

HJ1

Needs to be updated to include new watermain milestone

Hennessy, James, 7/5/2019

EO/EA

MUBE 11%

WUBE 7%

Forms Included in Front End Appendix A

Questions & Sitewalk

